



June 5, 2015

S & K PUMP & PLUMBING, INC.  
JOHN SMITS AND GARY KUHN  
20880 W. ENTERPRISE AVE.  
BROOKFIELD WI 53005

Re: Description: WATER TREATMENT DEVICE - SOFTENER/CATION EXCHANGE  
Manufacturer: S & K PUMP & PLUMBING, INC.  
Product Name: CRYSTAL CLEAR (trans id 2550019)  
Model Number(s): SK16R5M, SK24R5M, SK32R5M, SK40R5M, SK48R5M, SK64R5M, SK96R5M, SK16R5M, SK24R5CC, SK32R5CC, SK40R5CC, SK48R5CC, SK64R5CC AND SK96R5CC  
Product File No: 20150134

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of June 2020.

This approval supersedes the approval issued on June 22, 2010 under product file number 20090344.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturer's published instructions.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 267-9787.
- If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- These cation exchange water softeners shall be sized, installed, programmed and maintained such that wastewater volumes, total dissolved solids and chloride discharges are minimized.

Based on testing data submitted to and reviewed by the department, this approval recognizes that these plumbing products will reduce the concentration of contaminants as specified on pages 1 through 2 of this letter.

**WATER SOFTENING CAPABILITIES  
PRODUCT FILE NUMBER 20150134  
TABLE 1 OF 1**

Model Numbers		Capacity*						
Crystal Clear Series		Rating 1		Rating 2		Rating 3		Flow Rate
Time Clock	Metered	Grains	Pounds	Grains	Pounds	Grains	Pounds	gpm @ psig
-	SK16R5M	9,800	3.0	14,100	5.0	16,600	7.5	6.1 @ 7.4
SK16R5CC	-	9,800	3.0	14,100	5.0	16,600	7.5	6.1 @ 6.8
-	SK24R5M	14,700	4.5	21,200	7.5	24,900	11.3	8.4 @ 10.6
SK24R5CC	-	14,700	4.5	21,200	7.5	24,900	11.3	8.4 @ 9.7
-	SK32R5M	19,600	6.0	28,200	10.0	33,200	15.0	10.0 @ 12.2
SK32R5CC	-	19,600	6.0	28,200	10.0	33,200	15.0	10.0 @ 10.7
-	SK40R5M	24,500	7.5	35,300	12.5	41,500	18.8	11.0 @ 13.0
SK40R5CC	-	24,500	7.5	35,300	12.5	41,500	18.8	11.0 @ 11.5
-	SK48R5M	29,400	9.0	42,300	15.0	49,800	22.5	9.7 @ 11.5
SK48R5CC	-	29,400	9.0	42,300	15.0	49,800	22.5	9.7 @ 10.3
-	SK64R5M	39,200	12.0	56,400	20.0	66,400	30.0	12.0 @ 13.2
SK64R5CC	-	39,200	12.0	56,400	20.0	66,400	30.0	12.0 @ 11.6
-	SK96R5M	58,800	18.0	84,600	30.0	99,600	45.0	12.0 @ 11.9
SK96R5M	-	58,800	18.0	84,600	30.0	99,600	45.0	12.0 @ 10.6

\* The softener capacity rating is based on grains of hardness, due to calcium and magnesium cations, removed (as calcium carbonate) while producing soft water between successive regenerations and is related to the pounds of salt required for each regeneration. The tests run to generate the data for table 1 were conducted in accordance with NSF Standard 44.

This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter  
Environmental Engineer - Plumbing Product Reviewer  
Department of Safety and Professional Services  
Division of Industry Services  
Bureau of Technical Services  
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